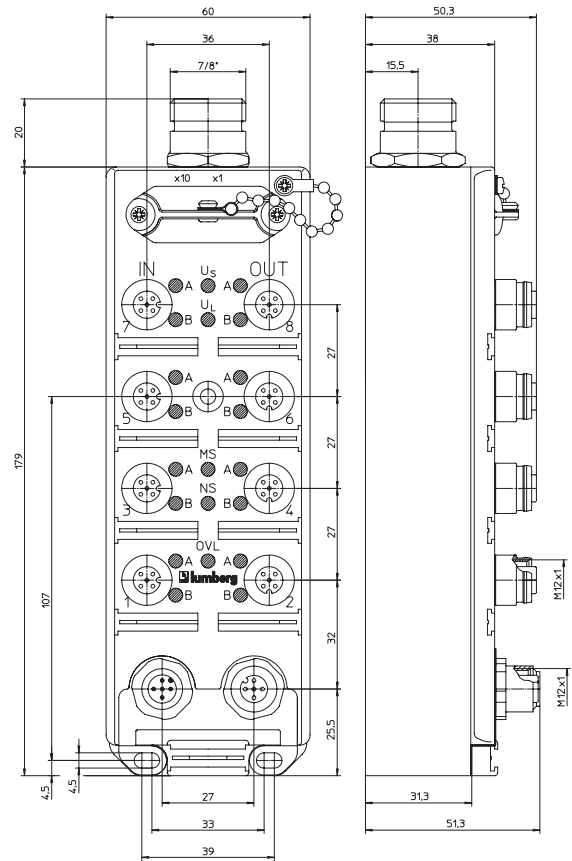


0930 DSL 113
8 In / 8 Out

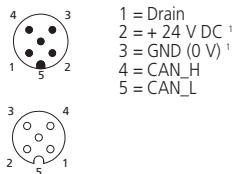
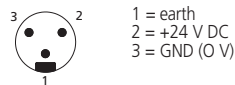
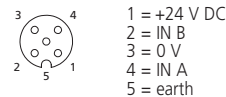
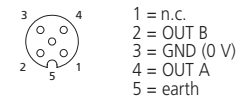
DeviceNet modules with 8 digital inputs (PNP) to connect standard sensors and 8 digital outputs (0.5 A) to connect standard actuators. Female Micro (M12) sensor/actuator connections with Micro (M12) bus connections, and male 3-pole Mini (7/8") power connections.



Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	7B	5B	3B	1B	7A	5A	3A	1A
Diagnostic Input								
Byte 1	OVL	-	-	-	-	-	ASC	UVA
M12 Output								
Byte 0	8B	6B	4B	2B	8A	6A	4A	2A

OVL: Overload status
 ASC: Actuator short-circuit
 UVA: Undervoltage actuator

Diagnostic Indication		
LED	Indication	Condition
1...8	yellow	channel active
7,4,6,8 A/B	red	actuator short circuit
U _s	green	actuator supply active
U _i	green	module electronic supply active
OVL	red	sensor short circuit / sensor overload
MS (module status)	green	module ready
	red flashing	error (not critical)
	red	error (critical)
NS (network status)	green	online, connected with master
	green flashing	online, no connection
	red flashing	time-out status for the last I/O connection
	red	Bus off status, redundant Mac ID

Pin Assignment
Bus Connection M12

Power Supply 7/8"

Input M12

Output M12


¹ = System

Technical data

Degree of protection IP 67
 Operating temperature 0°C(32°F) /+60°C(140°F)
 Weight 570 g

Bus system

DeviceNet

Supported transmission rates 125 / 250 / 500 kBaud
 Auto baud yes
 Address range 0-63 dec
 Rotary address switches 0-63 dec
 Default address 63 dec

System power supply (U_L)

Nominal voltage 24 V DC
 Voltage range 11 V - 30 V DC
 Current consumption max. 80 mA
 Reverse polarity protection yes
 Operating indicator (UL) LED green

Input power supply

Nominal voltage max. UL - 1.5 V
 Total current of all sensors 800 mA max.
 Short circuit protection yes
 Sensor short circuit indicator (OVL) LED red

Inputs

Nominal input voltage 24 V DC
 Input circuit PNP
 Number of digital channels 8
 Channel status indicator LED yellow / channel

Power supply of the actuators U_S

Nominal voltage 24 V DC
 Voltage range 19 V - 30 V DC
 Galvanic isolation yes
 Reverse polarity protection yes
 Actuator supply indicator (Us) LED green

Outputs

Nominal output current 0.5A / channel
 max. current per group 5 A
 Number of channels 8
 Channel type N.O. PNP
 Short circuit protection yes
 Channel status indicator LED yellow / channel
 Short circuit / overload detection LED red / channel

Communication modes

Explicit message connection
 Polled I/O message connection
 Change of state/cyclic message connection

Part Number	I/O
0930 DSL 113	8 Inputs / 8 Outputs

